UM_SJY12_002

SJY AC Network Insulation Monitor User Manual

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1. Summary

SJY-11

1.1 System description

SJY-11 and SJY-12 AC network Insulation Monitor are the latest products of SJY series. Using new single processor and display IC, compacted and reliable.

1.2 Functions

SJY-12

1. SJY-11 monitors one AC network insulation against ground;
2. SJY-12 monitors the insulation of two AC networks;
3. The AC net work should be **neutral point unearthed**;
4. Manual set numerical alarm value;
5. Alarm lamp flashes and the inner-relay closes when the monitor value is less than the set alarm value;
6. The inner-relay can drive auxiliary relay or AC alarm horn;
7. Press the “ACK.” button, the lamp lights on and the inner-relay will be open;

2. Technique Terms

1. Input: 220VAC;
2. Monitor: AC network one-phase or 3-phase, voltage less than 440V; 660VAC to choose (need accessory*);
3. Output: Normally open Solid state relay (1A, 240V, **AC only**);
4. Power: 3VA;
5. Environment temperature: 0~55℃;
6. Design for Marine;
7. Display scope: 0.000-9.999MΩ;
8. Alarm value: 0.000 MΩ to 9.000 MΩ; Value will be saved in EEPROM.
9. Alarm, if the monitor wire is disconnected (need accessory*);
10. Protective Class: IP21;

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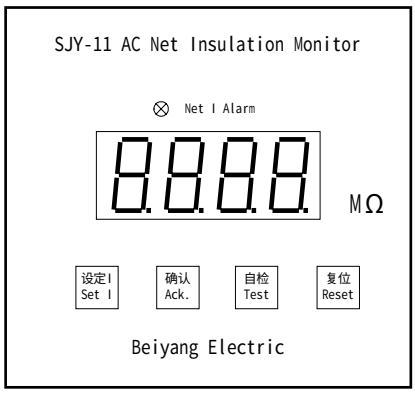
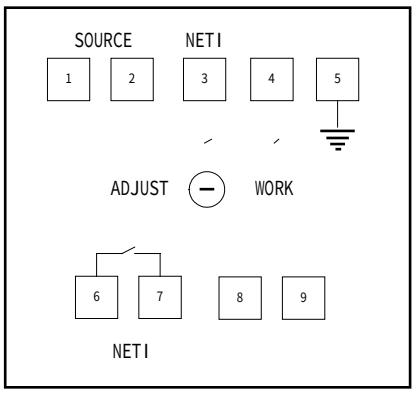
11. Weight: 0.9 KG;
12. Dimensions: 96×96×110mm;
13. Install mounting hole size: 91×91 mm
14. Certification: CCS

* Functions should be indicated in the order.

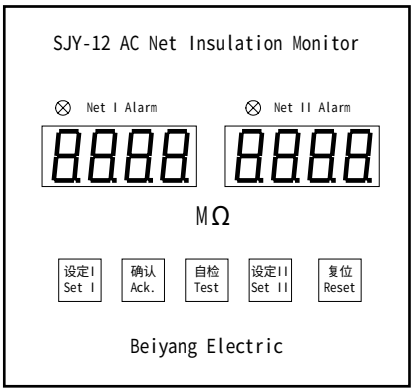
3. Front and Back panel



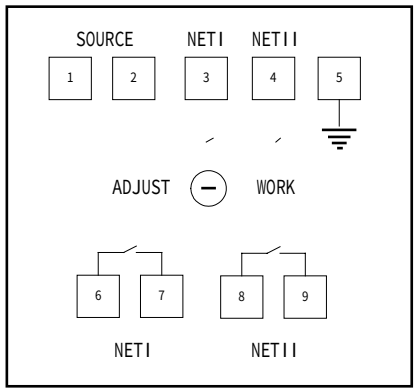
SJY-11 front panel



SJY-11back panel



SJY-12 front panel



SJY-12 back panel

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4. Operations

1. Installation

See the back panel figure.

2. Display

Power on, the digital LED displays “8.8.8.8.” five seconds, then it monitors. The LED shows the insulation value against earth. If it is abnormal, press the ”Reset” button 复位 Reset to restart it.

3. Set the alarm value

Network insulation alarm value could be saved automatically in memory. Press the ”SET” button 设定I Set I (“SET I” for net I; “SET II” for net II), the digit LED shows the value. Keep on pressing, the value will increase. If the value is over 9.000MΩ, it will start from 0.000MΩ.

4. Acknowledge the alarm

If the insulation is lower than the alarm value, the “Alarm” light will flash and the relay will close.

Press the “ACK.” button 确认 Ack.; the alarm light stops to light continuously and the inner-relay will be open. When the insulation is higher than the alarm value, the light will be off.

5. Self test

Press the “Test” button 自检 Test, the digital LED displays “8.888”, the light will be on and the relay will close. Release the button, return to work status.

Note: Specifications subject to change without notice.

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